

WHAT IS CLAIMED IS:

1. A locking arrangement for a receptacle having a cover, the receptacle and cover having overlapping parts with aligned holes therein, the locking arrangement comprising:

a handle for engagement for pulling the locking arrangement from the aligned holes in a withdrawing direction, the handle being outside the receptacle and having an enlarged portion for being held by one hand of a user of the locking arrangement;

an actuator mounted for movement to the handle and having a first end for being outside the receptacle and a second end for being inside the receptacle, the actuator extending through the aligned holes for locking the overlapping parts together;

expansion means at the second end of the actuator for expanding to an expanded geometry having at least one dimension which is greater than a dimension of the aligned holes to prevent withdrawing the actuator from the aligned holes when the actuator is pushed in an unlocking direction that is opposite to the withdrawing direction, the expansion means having a contracted geometry which is at most equal to the dimension of the aligned holes for allowing withdrawing of the actuator from the aligned holes;

biasing means engaged with the expansion means for biasing the expansion means toward the expanded geometry so that when the actuator is not being pushed, the expansion means is in the expanded geometry, the biasing means acting to bias the actuator in a releasing direction that is the same as the withdrawing direction; and

release means connected to the actuator for reducing the effective diameter of an outer end of the actuator to allow the actuator to be pushed through the handle and into the receptacle so that the cover can be removed in case the locking arrangement becomes caught in the aligned holes.

2. A locking arrangement according to claim 1, including a bolt extending from the handle and at least partly into the aligned holes, that bolt having an opening and said actuator being slidably mounted in the opening.

3. A locking arrangement according to claim 2, wherein the expansion means comprises a flexible sleeve connected between one end of the bolt and the second end of the actuator.
4. An arrangement according to claim 2, wherein the biasing means comprises a spring for biasing the actuator in the releasing direction out of the bolt and away from an interior of the receptacle.
5. An arrangement according to claim 2, wherein the expansion means comprises at least one V-shaped member connected between the second end of the actuator and the end of the bolt.
6. An arrangement according to claim 2, wherein the expansion means comprises at least one ball bearing trapped near the end of the bolt, the second end of the actuator being shaped for at least partly receiving the ball bearing so that no part of the ball bearing extends beyond an outer parameter of the end of the bolt, corresponding to the contracted geometry, and for extending the ball bearing beyond an outer parameter of the end of the bolt corresponding to the expanding geometry.
7. An arrangement according to claim 2, including a disc rotatably mounted at an off-set pivot point to the bolt and cam means between the actuator and the disc for centering the disc on the end of the bolt to correspond to the contracted geometry of the expansion means, and for allowing the disc to move to a non-centered geometry with respect to the opposite end of the bolt, corresponding to the expanded geometry of the expansion means.

8. An arrangement according to claim 7, wherein the cam means comprises a concave cam surface on a side of the disc facing the actuator, the actuator having a rounded inner end for engaging the cam surface.

9. An arrangement according to claim 7, wherein the cam means comprises a shaft rotatable in the bolt, the actuator being a push-button mounted to the handle for engaging the shaft to rotate the disc from its expanded to its contracted geometry.
10. An arrangement according to claim 2, wherein the expansion means comprises a deformable and expandable disc engaged between the end of the bolt and the second end of the actuator.
11. An arrangement according to claim 2, wherein the expansion means comprises a deformable and expandable tube engaged to the bolt and an expanding boss at the inner end of the actuator for expanding the tube.
12. An arrangement according to claim 1, wherein the release means comprises threaded release means for removing part of the actuator.